



APR 27 2005

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Submission for form 1449/PTO

PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**Complete if Known**

Application Number	10/528867
Filing Date	03-24-2005
First Named Inventor	Jorg Mayer et al.
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	FRG-15988

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)			
		US- 4,032,803	06-28-1977	Durr et al.	
		US- 4,248,232	02-03-1981	Englebrecht et al.	
		US- 5,004,422	04-02-1991	Propper	
		US- 5,019,083	05-28-1991	Klapper et al.	
		US- 5,163,960	11-17-1992	Bonutti	
		US- 5,167,619	12-01-1992	Wuchinich	
		US- 5,171,148	12-15-1992	Wasserman et al.	
		US- 5,413,578	05-09-1995	Zahedi	
		US- 5,426,341	06-20-1995	Bory et al.	
		US- 5,562,450	10-08-1996	Gieloff et al.	
		US- 5,593,425	01-14-1997	Bonutti et al.	
		US- 5,709,823	01-20-1998	Hahn	
		US- 5,735,875	04-07-1998	Bonutti, et al.	
		US- 5,752,831	05-19-1998	Padros-Fradera	
		US- 5,871,514	02-16-1999	Wiklund et al.	
		US- 5,871,515	02-16-1999	Wiklund et al.	
		US- 5,897,578	04-27-1999	Wiklund et al.	
		US- 5,919,215	07-06-1999	Wiklund et al.	
		US- 5,941,901	08-24-1999	Egan	

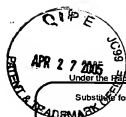
FOREIGN PATENT DOCUMENTS					
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		DE 41 00 636 A1	07-16-1992		
		EP 0 451 932 A1 (English Text)	10-16-1991	Mecon Medizinische	
		DE G 90 12 044.2	12-06-1990		
		DE 26 55 086	06-15-1978		
		DE G 93 17 757.7	03-03-1994		
		DE 42 09 191 A1	05-13-1993		

Examiner Signature	/ Arun Srivastava	Date Considered	04/03/2008
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		Number-Kind Code <sup>2</sup> (if known)			
		US-5,964,764	10-12-1999	West, Jr. et al.	
		US-5,993,458	11-30-1999	Vaitekunas et al.	
		US-5,993,477	11-30-1999	Vaitekunas et al.	
		US-6,007,539	12-28-1999	Kirsch et al.	
		US-6,039,568	03-21-2000	Hinds	
		US-6,056,751	05-02-2000	Fenton, Jr.	
		US-6,059,817	05-09-2000	Bonutti et al.	
		US-6,080,161	06-27-2000	Eaves, III et al.	
		US-6,099,313	08-08-2000	Durken et al.	
		US-6,132,214	10-17-2000	Suhonen et al.	
		US-6,139,320	10-31-2000	Hahn	
		US-6,141,874	11-07-2000	Olsen	
		US-6,193,516	02-27-2001	Story	
		US-6,224,373	05-01-2001	Lee et al.	
		US-6,273,717	08-14-2001	Hahn et al.	
		US-6,332,885	12-25-2001	Martella	
		US-6,545,390	04-08-2003	Hahn et al.	
		US-6,592,609	07-15-2003	Bonutti	
		US-6,635,073	10-21-2003	Bonutti	

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		DE G 90 12 548.7	01-24-1991		
		DE 196 44 333 A1	04-30-1998		
		GB 2 324 470 A (English Text)	10-28-1998	Customflex, Ltd.	
		DE 37 23 643 A1	01-26-1989		
		DE 201 13 692 U1	12-20-2001		
		DE 199 16 158 A1	10-19-2000		

Examiner Signature	/Tarun Srivastava/	Date Considered	04/03/2008
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Attorney Docket Number	FRG-15988
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			MM-DD-YYYY			
		EP 1 044 656 A1	10-18-2000			
		EP 1 044 655 A1	10-18-2000			
		DE 199 16 160 A1	10-26-2000			
		DE 197 35 103 A1	10-29-1998			
		DE 39 19 274 C1	07-12-1990			
		EP 0 534 078 A1	03-31-1993			

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Sheet 4

of 4

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Patent Abstracts of Japan, Bone Fixation Pin and Manufacture Thereof, 12-08-1998	
		WO 02/38070 A1, MEDICAL, PREFERABLY DENTAL, HANDPIECE FOR TREATING TISSUE WITH PREFERABLY HIGH FREQUENCY MECHANICAL VIBRATIONS, 05-16-2002	
		WO 02/087459 A2, HANDPIECE FOR LINEAR ACTUATION OF A TOOL, PREFERABLY A DENTAL TOOL, 11-07-2002	
		WO 94/27558, CERAMIC DENTAL RESTORATIONS, DENTAL PROSTHESES, MEDICAL IMPLANTS AND MOULDED BODIES, AND PROCESS FOR PRODUCING SAME, 12-08-1994	
		WO 91/03211, PROCESS FOR PRODUCING A TOOTH CROWN WITH THE AID OF TWO SONOTRODES, DEVICE WORKPIECES USING A SONOTRODE..., 03-21-1991	
		WO 88/03391, INTRAALVEOLAR IMPLANT, 05-19-1998	
		WO 96/37163, PROCESS AND DEVICE FOR THE COMPUTER-ASSISTED RESTORATION OF TEETH, 11-28-1996	

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